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(54) Title: METHOD FOR DETERMINATION OF THYMIDINE KINASE 1 ACTIVITY AND THE USE THEREOF

(57) Abstract: The present invention concerns a new method that enables safe, rapid, accurate and specific determination of thymi-
dine kinase 1 activity in human or animal body fluids and tissue/cell extracts for routine analysis of samples with low levels of activity
by using AZT or 3' derivatives of thymidine as substrate and determining the phosphorylated products formed in the reaction with
thymidine kinase 1 activity. The invention further relates to the use of said method for the diagnosis, monitoring and prognostics of
diseases such as cancer.



WO 2004/013630 A1